

Board of Supervisors

Richard R. Searle
Chairman

Michael J. Ortega
County Administrator

Patrick G. Call
Vice-Chairman

James E. Vlahovich
Deputy County Administrator

Ann English
Director

Katie A. Howard
Clerk



AGENDA FOR FLOOD CONTROL DISTRICT MEETING
Tuesday, April 10, 2012 at 10:00 a.m.
BOARD OF SUPERVISORS HEARING ROOM
1415 MELODY LANE, BUILDING G, BISBEE, AZ 85603

ANY ITEM ON THIS AGENDA IS OPEN FOR DISCUSSION AND POSSIBLE ACTION

ROLL CALL

Members of the Cochise County Board of Supervisors will attend either in person or by telephone, video or internet conferencing.

CALL TO THE PUBLIC

This is the time for the public to comment. Members of the Board may not discuss items that are not specifically identified on the agenda.

CONSENT

Board of Supervisors

1. Approve the Minutes of the December 20, 2011 Flood Control District Meeting.

Community Development

2. Approve the purchase of parcel 123-04-005B in Pomerene, for flood control purposes at a cost of \$57,000.

ACTION

Community Development

3. Approve the Flood Control District's Rain Gauge 5-year implementation plan, at a total cost of \$203,000 spread over 5 years, with ongoing maintenance costs thereafter of \$28,000 annually.

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Cochise County - 1415 Melody Lane, Building G - Bisbee, Arizona 85603
(520) 432-9200 - Fax (520) 432-5016 - Email: board@cochise.az.gov
www.cochise.az.gov

"PUBLIC PROGRAMS, PERSONAL SERVICE"

Flood Control District Meeting

Meeting Date: 04/10/2012

Minutes

Submitted By: Katie Howard, Board of Supervisors

Department: Board of Supervisors

Presentation: No A/V Presentation

Document Signatures:

NAME n/a
of PRESENTER:

Mandated Function?:

Recommendation:

of ORIGINALS

Submitted for Signature:

TITLE n/a
of PRESENTER:

**Source of Mandate
or Basis for Support?:**

Information

Agenda Item Text:

Approve the Minutes of the December 20, 2011 Flood Control District Meeting.

Background:

Minutes

Department's Next Steps (if approved):

Route signed Minutes to Records for microfilming

Impact of NOT Approving/Alternatives:

To BOS Staff: Document Disposition/Follow-Up:

Attachments

Minutes

**COCHISE COUNTY FLOOD CONTROL DISTRICT
MINUTES OF THE MEETING OF DECEMBER 20, 2011**

A meeting of the Cochise County Flood Control Board was held on Tuesday, December 20, 2011 at 10:00 a.m. in the Board of Supervisors' Hearing Room, 1415 Melody Lane, Building G, Bisbee, Arizona. In attendance were Patrick Call, Chairman; Ann English, Director; Richard Searle, Director; Mike Ortega, County Administrator; David Fifer, Civil Deputy County Attorney; and Katie Howard, Clerk of the Board.

THE ORDER OR DELETION OF ANY ITEM ON THIS AGENDA IS SUBJECT TO MODIFICATION AT THE MEETING

ROLL CALL – All three directors were present.

The meeting was called to order at 10:00 a.m.

CONSENT

ITEM 1

Board of Supervisors

Approve the Minutes for the Flood Control District board meeting of December 6, 2011.

Director English made a motion to approve item 1 of the Consent Agenda. Director Searle seconded the motion and it carried unanimously.

ACTION

ITEM 2

Community Development

Authorize the Procurement Director to negotiate and execute a Professional Services Agreement with JE Fuller Hydrology & Geomorphology, Inc. in the not to exceed amount of \$167,620 for Phase I analysis and design services, in accordance with Request for Qualifications No. 10-16-HFP-04 for the initial project development for the Palominas Stormwater Recharge Grant that the Board approved on December 6, 2011.

Director Searle made a motion to authorize the Procurement Director to negotiate and execute a Professional Services Agreement with JE Fuller Hydrology & Geomorphology, Inc. in the not to exceed amount of \$167,620 for Phase I analysis and design services, in accordance with Request for Qualifications No. 10-16-HFP-04 for the initial project development for the Palominas Stormwater Recharge Grant that the Board approved on December 6, 2011. Director English seconded the motion.

Ms. Karen Riggs, County Engineer presented to item. Ms. Riggs explained that they wanted to get this on this week's agenda for approval of about 40% of the total design services estimated for the first three to four months of work on this three year grant project. The design work will involve two consultants and includes onsite physical testing to better determine the scope of the design work and the start of two other major tasks: pipeline feasibility analysis and GIS analysis. Mr. Dave Seward, Procurement Director has been asked to negotiate the final Professional Services Agreement in order to fine tune the scope of the contract and to initiate the process. The other phases of the contract will be brought before the Board for approval when needed.

Director Searle asked about the total design cost and estimated construction costs of the grant.

Ms. Riggs answered \$406,000 for the design and estimated construction \$1.85 million; she described the components of both.

Director English asked why Karen would not be designated to negotiate the Professional Services Agreement and what is being negotiated.

Ms. Riggs said Procurement always does the Professional Services Agreement and Mr. Seward will have conversations with consultants to get the actual scope of work and cost for the not-to-exceed amount of the contract.

The Supervisors asked about the length of time to complete the initial phase of the project and agreed that it would be useful to have a timeline.

Ms. Riggs said she will have a timeline to the Board for the initial phase of the project by mid-January, followed by one for the entire project.

Chairman Call called for the vote and it carried 3-0.

CALL TO THE PUBLIC (MATTERS RELATED TO COUNTY GOVERNMENT - LIMIT OF 3 MINUTES PER PERSON OR AT THE DIRECTION OF THE CHAIRMAN)

Chairman Call opened the Call to the Public. No one wished to address the Board and Chairman Call closed the Call to the Public.

There being no other business before the Flood Control District Board, Chairman Call adjourned the meeting at 10:13 a.m.

APPROVED:

Patrick Call, Chairman

ATTEST:

Katie A. Howard, Clerk of the Board

(SUPPORTING DOCUMENTATION IS AVAILABLE AT THE BOARD OF SUPERVISORS' OFFICE)

Community Development

Flood Control District Meeting

Meeting Date: 04/10/2012

Approve the purchase of a parcel for flood control purposes as directed in executive session on March 13, 2012.

Submitted By: Karen Riggs, Community Development

Department: Community Development

Division:

Floodplain

Presentation: No A/V Presentation

Recommendation: Approve

Document Signatures: BOS Signature NOT Required

of ORIGINALS 0

Submitted for Signature:

NAME of PRESENTER: Karen Riggs

TITLE of PRESENTER: County Engineer

Mandated Function?: Not Mandated

Source of Mandate or Basis for Support?:

Docket Number (If applicable):

Information

Agenda Item Text:

Approve the purchase of parcel 123-04-005B in Pomerene, for flood control purposes at a cost of \$57,000.

Background:

The Flood Control District has been aware of and attempted to assist the community of Pomerene with ongoing flooding issues for many years. One of the problems that has hindered any solutions is lack of right-of-way for flood relief channels. A parcel came on the market that had high potential for being a key piece of the right-of-way needed for a flood relief channel. The price was reasonable and the Board directed staff to negotiate purchase of the parcel. The Board of Supervisors, acting as the Flood Control District Board needs to formally approve purchase of the parcel. Neighboring residents indicated strongly that they would dedicate right-of-way as needed if it would reduce the flood hazards they face. This parcel is seen as the initial cornerstone piece that will indicate to neighbors that County is moving forward and that they need to step up as they promised to be part of the solution. Also, it affords an opportunity to reduce the flooding potential of this parcel and a portion of Old Pomerene Road as well. There is adequate funding in the FCD 2011-12 budget for land acquisition as well as an approved line in the 11-12 FCD 5 year work plan. FCD staff are asking that the FCD Board approve the purchase they directed on March 13, 2012.

Department's Next Steps (if approved):

Move forward with the flood relief channel planning and request additional needed right-of-way dedication from affected neighbors near Old Pomerene Road.

Impact of NOT Approving/Alternatives:

County will lose an opportunity to acquire needed right-of-way and the ability to move forward with a neighborhood participation project to reduce Old Pomerene Road and resident flooding.

To BOS Staff: Document Disposition/Follow-Up:

N/A

Fiscal Impact

Fiscal Year: 11/12
One-time Fixed Costs? (\$\$\$): 57000
Ongoing Costs? (\$\$\$): 0
County Match Required? (\$\$\$): 0
A-87 Overhead Amt? (Co. Cost Allocation \$\$\$): 0
Source of Funding?: n/a

Fiscal Impact & Funding Sources (if known):

n/a

Community Development

Flood Control District Meeting

Meeting Date: 04/10/2012

Countywide Rain Gage Program (ALERT)

Submitted By: Katie Howard, Board of Supervisors

Department: Board of Supervisors

Presentation: PowerPoint

Recommendation: Approve

Document Signatures: BOS Signature Required

of ORIGINALS 0

Submitted for Signature:

NAME
of PRESENTER: Tim Mazanek PETITLE
of PRESENTER: Civil
Engineer
III

Mandated Function?:

Source of Mandate
or Basis for Support?:

Docket Number (If applicable):

Information

Agenda Item Text:

Approve the Flood Control District's Rain Gauge 5-year implementation plan, at a total cost of \$203,000 spread over 5 years, with ongoing maintenance costs thereafter of \$28,000 annually.

Background:

Cochise County has completed a 5-year plan report and cost estimate for the creation of an ALERT system to collect and compile hydrologic data for the purpose of reducing flood losses throughout the county. The system consists of a network of ten remote sensors (rain gauges), and a data concentrator at Mule Mountain. The sensors will transmit real-time rainfall data via radio frequency to the Mule Mountain tower facility where it will be collected and sent to the existing ALERT system comprised of nine existing gauges in the county and data sources from other agencies. The intent of the system is to enhance our capability to supply real-time warning for potential flooding.

Department's Next Steps (if approved):

Contract with JE Fuller for purchase, installation and maintenance of first year items.

Impact of NOT Approving/Alternatives:

Less information regarding emergency flood situations that may develop due to wildfires last summer and other flooding countywide.

To BOS Staff: Document Disposition/Follow-Up:

N/A

Attachments

689_Board DocumentNoBase_1_689_LocationsNoBaseStation (1)Alert Powerpoint



COCHISE COUNTY

HIGHWAY AND FLOODPLAIN DEPARTMENT

MEMORANDUM



MAKING IT BETTER

Your County Questions answered:
www.cochisecounty.com

Date: March 15, 2012

To: Flood Control District Board of Directors

From: Tim Mazanek PE Civil Engineer III

Through: Karen Riggs PE, County Engineer

Subject: Automated Local Evaluation in Real Time (ALERT) System for predicting emergency situations by collecting real-time data on rainfall.

Recommendation: Approve the 5-year funding plan to install ten ALERT stations throughout the county.

Background: Cochise County has completed a 5-year plan report and cost estimate for the creation of an ALERT system to collect and compile hydrologic data for the purpose of reducing flood losses throughout the county. The system consists of a network of ten remote sensors (rain gauges), and a data concentrator at Mule Mountain. The sensors will transmit real-time rainfall data via radio frequency to the Mule Mountain tower facility where it will be collected and sent to the existing ALERT system comprised of nine existing gauges in the county and data sources from other agencies. The intent of the system is to enhance our capability to supply real-time warning for potential flooding.

Fiscal Impact and Funding Sources:

2012 - Data Collection System, 1 Gauges	\$37,000
2013 – 3 Gauges, System Maintenance	\$42,000
2014 – 2 Gauges, System Maintenance	\$37,000
2015 – 2 Gauges, System Maintenance	\$41,000
2016 – 2 Gauges, System Maintenance	\$46,000
2017 - Continuing Maintenance per Year	\$28,000

Next Steps/Actions Items/Follow-up: Contract with JE Fuller for purchase, installation and maintenance of first year items.

Impact of Not Approving: Less information regarding emergency flood situations that may develop due to wildfires last summer and other flooding countywide.

PROPOSED ALERT SYSTEM
Installation and Maintenance Costs
(Cost Escalation 3% per year)

ID	Activity	2012	2013	2014	2015	2016	Yearly Maint.
17 - Turkey Creek	Installation	\$10,000					
	Maintenance		\$1,545	\$1,591	\$1,639	\$1,688	\$1,739
6 - S. Sierra Vista	Installation		\$10,300				
	Maintenance			\$1,591	\$1,639	\$1,688	\$1,739
14 - Kansas Settlement	Installation		\$10,300				
	Maintenance			\$1,591	\$1,639	\$1,688	\$1,739
4 - W. of Fairbanks	Installation		\$10,300				
	Maintenance			\$1,591	\$1,639	\$1,688	\$1,739
3 - Willow Lakes	Installation			\$10,609			
	Maintenance				\$1,639	\$1,688	\$1,739
7 - Saint David	Installation			\$10,609			
	Maintenance				\$1,639	\$1,688	\$1,739
9 - Ft. Grant Rd	Installation				\$10,927		
	Maintenance					\$1,688	\$1,739
16 - Douglas	Installation				\$10,927		
	Maintenance					\$1,688	\$1,739
18 - Bisbee	Installation					\$11,255	
	Maintenance						\$1,739
19 - Leslie Canyon Rd.	Installation					\$11,255	
	Maintenance						\$1,739
Mule Mt							
Installation		\$26,536					
Maintenance			\$4,000	\$4,120	\$4,244	\$4,371	\$4,502
General Maintenance			\$5,000	\$5,150	\$5,305	\$5,464	\$5,628
Total Installation Costs		\$36,536	\$30,900	\$21,218	\$21,855	\$22,510	\$0
Total Maintenance Costs		\$0	\$10,545	\$15,634	\$19,381	\$23,339	\$27,517
Total		\$36,536	\$41,445	\$36,852	\$41,236	\$45,849	\$27,517